89173107414
slava@matrixplus.ru
Saratov

Contacts and details

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Орион-128 публикации в журналах
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ПК Орион-ПРО развитие
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Программирование ВМ80 и Z80

Музей 8-ми битных ПК СССР
Музей редкой электроники
Сборка ЮТ-88
DataShit (документация)

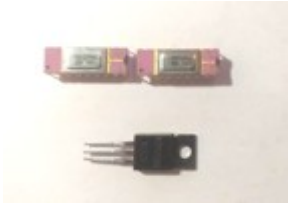
Услуги прошивки ПЗУ
Куплю
Продам
Диоды, диодные сборки
Микросхемы стабилизаторов
Микросхемы, ОУ, ОЗУ, ПЗУ, ЦАП
Транзисторы сборки, НЧ, СВЧ, МОП
Оптроны
Тиристоры, динисторы, симисторы
Индикаторы светодиодные
Платы с радиодеталями

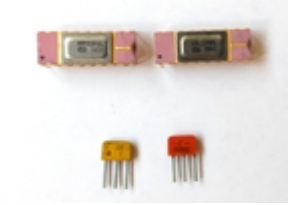
Dynamic, static RAM, UV-erasing and electro-erasing ROMs , one-time programmable chips

I publish dynamic, static ROM chips as they are photographed and appear in my collection.
Buy ROM and RAM.

Date of adding information: 07/23/2022

Static RAM





KM132RU5 in pink ceramics, KM132RU5 microcircuits are static RAM with a capacity of 4Kx1 RAM; 55 ns.

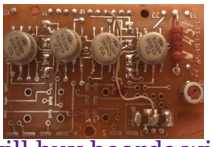
Advertising

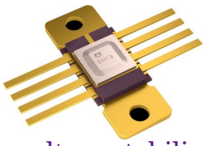
Buy, sell chips

buy sell transistors

Buy diodes, zener diodes, thyristors

I will buy optocouplers


I will buy boards with microcircuits and transistors


buy voltage stabilizers

To main

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Buy transistors

Статьи

Ссылки

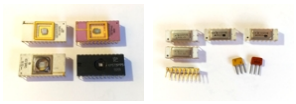
www.155la3.ru - Museum of electronic rarities

Oscillograms of Orion-128 operation

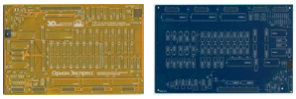
Initiation into radio electronics, mass radio library

Practical advice for a radio amateur designer

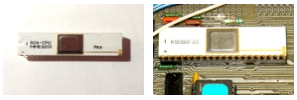
Home ***I will buy, sell chips , boards for Orion-128, 512, Orion PRO***



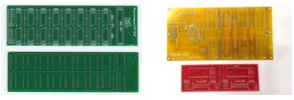
Buy k573rf2, k573rf3, k573rf4, k573rf5, k573rf6, k573rf8, k573rf10, K565ru5, k565ru7



I sell boards Orion Express 512 , classic boards



Buy Z80 processors, k1818vg93 controllers



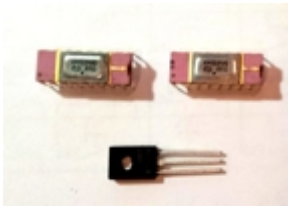
Boards Rom disks, peripherals for Orion 128, Express 512 , Orion Pro

site `s map

Useful articles

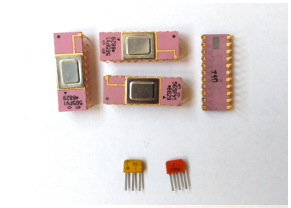
Dynamic RAM

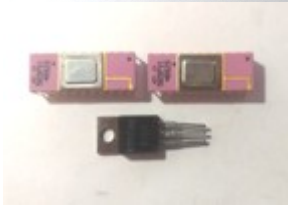
Series 132ru



km132ru5 KM132RU5 microcircuits are static RAM with a capacity of 4Kx1 RAM; 55 ns.

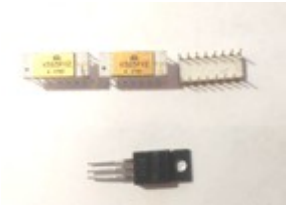
k565ru series





k565ru1

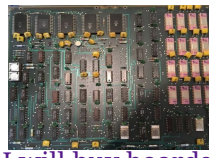
K565RU1 - an electronic component, a dynamic random access RAM chip with a capacity of 4096 bits and an organization of 4096x1. Supply voltage - +5 V, +12 V, -5 V.



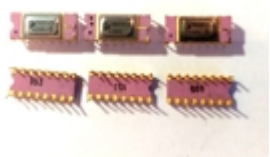
k565ru2

It is a static RAM with a capacity of 1024 bits (1024x1) with control circuits

I will buy operational amplifiers and logic

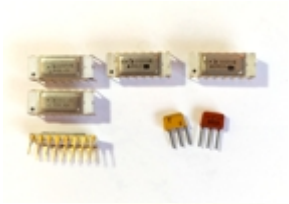


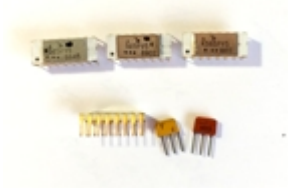
I will buy boards



k565ru3

K565RU3 - an electronic component, a dynamic random access RAM chip with a capacity of 16384 bits and an organization of 16384x1. Designed to store information (programs and data) in microprocessor devices. Supply voltage - +5 V, +12 V, -5 V. The microcircuit was manufactured using n-MOS technology, had a speed sufficient for use with modern microprocessors





The k565ru5 is a 64kbit (64k x 1) dynamic random access memory with control circuitry. Manufactured using N-MOS technology and used for general purpose electronic equipment.

kr565ru5

Integral, Belarus (marked with letters)

"Angstrem", Zelenograd

"Maison", Moldova (Chisinau)

kr565ru5 dot marking

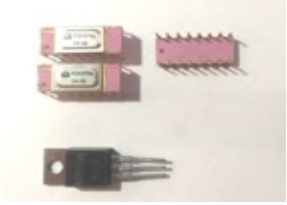
(no dots) - letter (B)

* (one dot) - the letter "B"

** (two dots) - the letter "G"

*** (three dots) - letter "D" halves instead of D1 and D2 - numbers 1 and 2

**** (four dots) - letter "E"



k565ru6

K565RU6 - according to the characteristics of 565ru3, only +5 V power is used (-5 is absent), in terms of reliability: they failed much less often than 565ru3

4164 mitsubishi 64k analogue k565ru5

k565ru7 dynamic memory - 128kbt

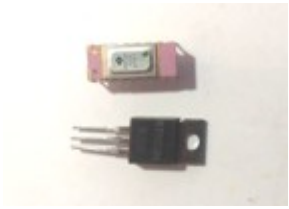
Marking for production "Integral"

* (one dot) - the letter "B"

** (two dots) - the letter "G"

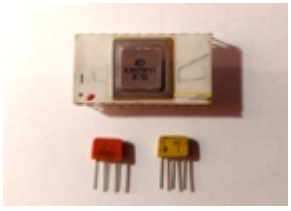
*** (three dots) - letter "D" halves instead of D1 and D2 - numbers 1 and 2

presumably without dots "B"



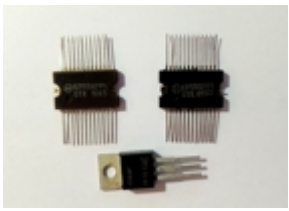
km581ru4

KM581RU4 is a dynamic RAM with a capacity of 16 kbit (16384x1).



K1809RU1 in white ceramics - microcircuits K1809RU1 (1Kx16 bits) K1809RU1A (512x16 bits), K1809RU1B (256x16 bits) have a built-in interface oriented to joint use with the backbone

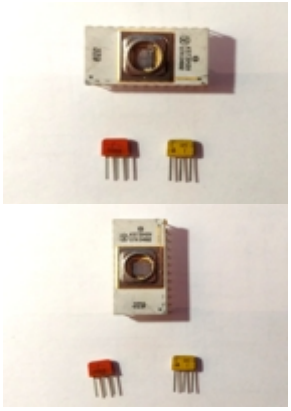
Series 558

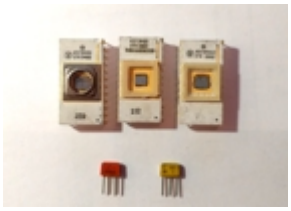


K558PP1, KR558PP1 - EEPROM based on p-MNOS technology with a capacity of 2048 bits in

the amount of 256 8-bit words Information outputs are multiplexed, i.e. they serve as inputs (when writing) and as outputs (when reading). The microcircuit inverts the information. The information output of the microcircuit in the reading mode is an open MOS transistor and must be powered through an external resistor from a negative supply voltage relative to Ucc. The connection of the information output to a voltage of -12 V through a 6.8 kΩ resistor, recommended in the technical specifications, provides a high-level voltage at the output of at least 4.5 V. The microcircuits allow multiple changes of information (104 rewriting cycles). Recording of new information should be done after erasing the previous one. Recording and reading of information occur address by address. The erasure is general, i.e., all 256 addresses are erased from one UP signal. To interface the K558 series chips with TTL ICs, matching circuits are required.

ROM with UV erasure

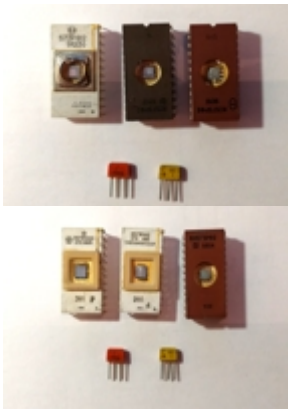




k573rf1, k573rf13 in different ceramic cases

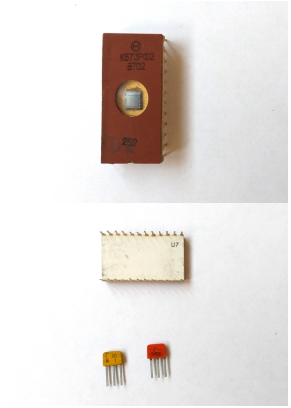
k573rf13, k573rf14 - halves from 1 to (rejection)

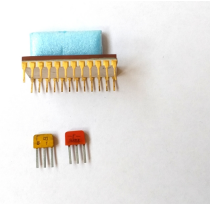
The K573RF1 microcircuit is an 8 kbit (1024x8) read-only memory device with ultraviolet erasure and electrical recording of information, with a long-term storage of information when the power supply is on or off.



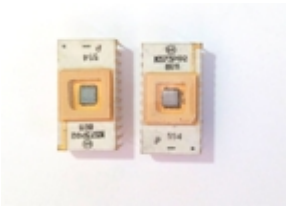
k573rf2 in different ceramic packages Au and ks package

K573RF2 microcircuits are a 16 kbit (2k x 8) read-only memory device with ultraviolet erasure and electrical recording of information.

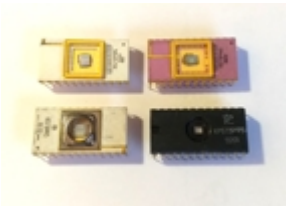


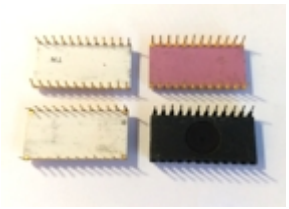


Rare ROM ks573rf2 seemingly simple ceramic case, but gilded legs, brown ceramics on top, white ceramics on the bottom

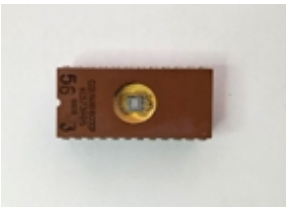


k573rf2 white ceramic gold square window





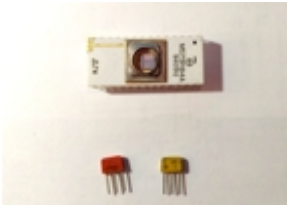
Buzz with ultraviolet erasure K573rf5 kr573rf5

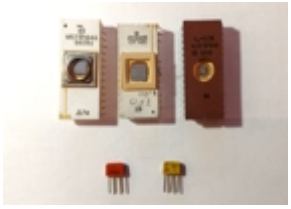


ks573rf5 MADE IN USSR - quite rare PROM caught

PZU k573rf3 white ceramic gold, (***I don’t have one yet, so I’ll buy it***) the halves are marked k573rf31 and k573rf32

K573RF3 is the only 16-bit ROM chip in this series. In addition, it differs from others in that it has a multiplexed address-data bus for connecting to the MPI backbone (it was used, in particular, in DVK computers). RF32 - half of RF3, with a capacity of 32 kbit (2048 * 16). The halves were "received" by rejection. Chips with one or two "broken" bits of the address were not thrown away, but received additional markings. Producer - "Angstrem". Funny moment. For some reason, domestic reference books stubbornly indicate i2732 as an imported analogue of this microcircuit. Although this is completely wrong - the i2732 is eight-bit and with a different interface! The authors of the handbooks, most likely, we just looked at the total capacity of the microcircuits - they are both 32 kbit - and did not go into details. And with them the whole Internet :))) Taken from the site 155la3.ru

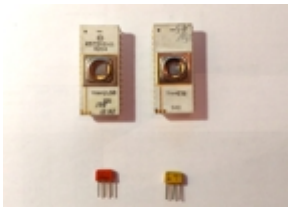




K573rf4, k574rf41 in different ceramic packages, k573rf4 with programming voltage 12.5V

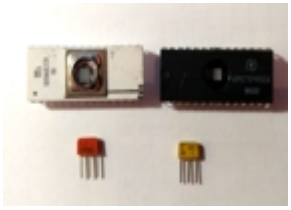
Reprogrammable read-only memory with UV-erasing information 64K (8Kx8), provides the possibility of long-term storage and multiple changes of information.

Rare ROM K573RF4A, bottom from K573RF4 - white, top from KS573RF2 - brown ceramic



K573rf4 and unknown without marking with a programming voltage of 23 volts. When tested on the programmer, it turned out to be k573rf4

k573rf4a - with programming voltage 12.5 V



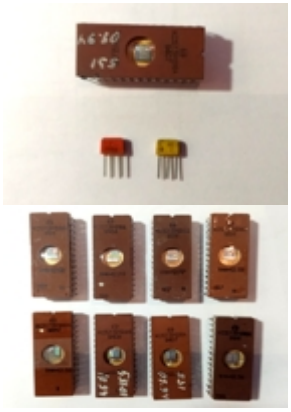
ROM K573rf6, k573rf60a, kr573rf60b

The microcircuits are an electric programmable ROM with a capacity of 64 kbit (8kh8) with ultraviolet erasure of

information, which provides long-term storage of information regardless of operating modes and the possibility of changing the recorded information in the process of selective programming. Contain 135210 integral elements.

PZU k573rf6 white ceramics gold square window

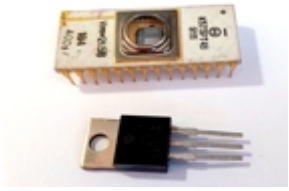
k573rf6b - white ceramics gilding



KS573RF8a with programming voltage 12.5 V

K M 573RF8 with programming voltage 12.5 V in white ceramics in Au and nickel

The K573RF8 chip is a read-only memory device with electrical programming and ultraviolet erasing of information. The amount of memory is 256Kbps. Memory organization 32K8. To erase the contents of the ROM, a special window is installed in the case. The programming voltage is 21.5V. The microcircuit consists of a storage device based on n-MOS elements with a floating gate.

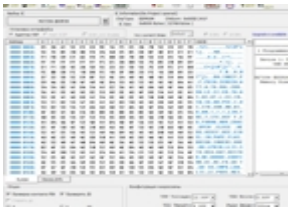


k573rt4b - in gold, white ceramics

Now about the ROM found on 03/26/2022 in Engels. I got a ROM box marked ks573rt81v.

Factory packaging, no passport. We assumed that this is RF8, because. the crystals are the

same with a capacity of 16 k (27s256 analogue), the programming voltage is 12.5 V, i.e. there is an imported crystal. By name, it seems to be one-time programmable and its capacity is marked "1V", that is, half of 32k - 16k should be.



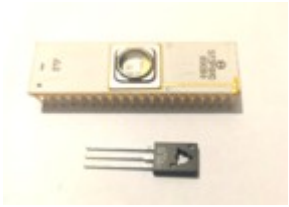
Indeed , some code is written in the programmer from 0000 to 3FFF (on all microcircuits), the photo is above !!! I set it to be erased, after 3 minutes, the code became in all FF cells !!! All cells from 0000 to 7 FFF work .

I tried to sew up the info, sewed it up, counted it, compared it with the buffer, everything is ok, erased it, sewed it up again, all 32 k work!!!

On the right photo ks573rt81v and on the right with a white dot ks573rf8a (no difference except for marking)

ks573rt2 gray ceramics

ks573rt2 according to the passport - a one-time programmable microcircuit, in fact a crystal, from k573rf2 with UV erasure. It erases and writes beautifully. Full 2 kb



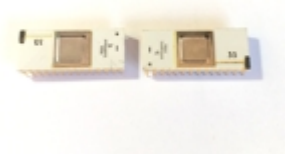
PROM K573RF10 in gold

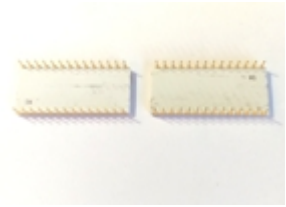
It is a hybrid of UV ROM (2k * 8) and two parallel input-output ports; theme "Ros-1P". The meaning of this is to reduce the number of cases in microprocessor systems. K573RF10 is not in the reference books, only KM573RF10 and KS573RF10. Producer - Novosibirsk "Vostok".

Rare ROM K573RF4A, bottom from K573RF4 - white, top from KS573RF2 - brown

ROM CM7764 production RF, SP - Micron white ceramics gold

ROM with electro-erase

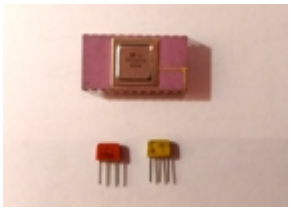




USSR ROM with electrical erasure km558rr3, multiple ROM with electrical erasure 64kbps (8k by 8)

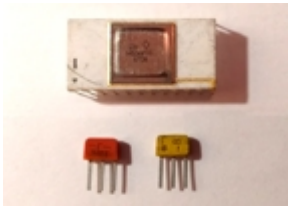
PROM one-time programmable

For programming, for example, such a programmer is required



M556RT5 in pink ceramics

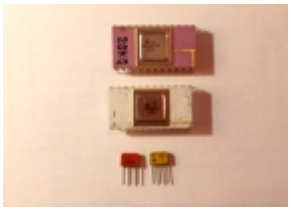
Bipolar PROM, M556PT5 is a 4096-bit (512x8) open-collector programmable read-only memory with one-time electrical programming by fusing jumpers. Includes 64x64 memory matrix, readout amplifiers, input and output decoders, programming circuits.



M556RT6 in white ceramic

The 556PT6 bipolar programmable ROM is a 16384-

bit (2048x8) programmable read-only memory with an open collector output. It is intended for work in knots and blocks of the radio-electronic equipment of a special purpose.



M556RT7 in white and pink ceramics

Bipolar programmable ROM. The 556PT7 is a 16k (2k x 8) programmable read-only memory device with a tri-state output. Are intended for work in knots and blocks of the radio-electronic equipment of a special purpose.

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We will buy radio components of the USSR expensively, money immediately. TTL, TTLSH, CMOS microcircuits, operational amplifiers, stabilizers, ADC, DAC, comparators, low-frequency, high-frequency, microwave transistors, field, bipolar, Schottky, KM capacitors, tantalum, processors, RAM, ROM, transistor assemblies, optocouplers, printed circuit boards with installed elements

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